

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/018,034
Filing Date	07/23/2002
First Named Inventor	R. Kobylecki
Art Unit	2857
Examiner Name	D. Elias
Attorney Docket Number	1795

Sheet 1 of 12

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
ED	-	US- 2001/0016631	08/23/2001	Freitag et.	_____
ED	-	US- 2001/0055775	12/27/2001	Schultz et al.	_____
ED	-	US- 2002/0032531	03/14/2002	Mansky et al.	_____
ED	-	US- 2002/0037647	03/28/2002	Hwang et al.	_____
ED	-	US- 2003/0033088	02/13/2003	Agrafiotis et al.	_____
ED	-	US- 2003/0219906	11/27/2003	Giaquinta et al.	_____
ED	-	US- 3,899,011	08/12/1975	Curtiss	_____
ED	-	US- 4,399,687	08/23/1983	Collins	_____
ED	-	US- 4,835,711	05/30/1989	Hutchins et al.	_____
ED	-	US- 4,877,745	10/31/1989	Hayes et al.	_____
ED	-	US- 5,417,923	05/23/1995	Bojanic et al.	_____
ED	-	US- 5,445,934	08/29/1995	Fodor et al.	_____
ED	-	US- 5,463,564	10/31/1995	Agrafiotis et al.	_____
ED	-	US- 5,574,656	11/12/1996	Agrafiotis et al.	_____
ED	-	US- 5,658,802	08/19/1997	Hayes et al.	_____
ED	-	US- 5,684,711	11/04/1997	Agrafiotis et al.	_____
ED	-	US- 5,744,305	04/28/1998	Fodor et al.	_____
ED	-	US- 5,763,278	06/09/1998	Sickinger et al.	_____
ED	-	US- 5,807,522	09/15/1998	Brown et al.	_____

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ³
		Country Code ² Number ⁴ Kind Code ⁵ (if known)				
ED	-	EP 0807811 A2	11/19/1997	Pfizer	_____	
ED	-	EP 0921396 A2	06/09/1999	Pfizer	_____	
ED	-	WO 00/03240	01/20/2000	Cetek	_____	
ED	-	WO 94/11489	05/26/1994	Bochner	_____	
ED	-	WO 96/06842	03/07/1996	Harding et al.	_____	
ED	-	WO 96/16078	05/30/1996	Kobylecki et al	_____	

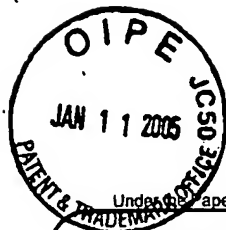
Examiner
Signature*Elias Oester*Date
Considered

03/24/2005

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0851-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/018,034
Filing Date	07/23/2002
First Named Inventor	R. Kobylecki
Art Unit	2857
Examiner Name	D. Elias
Attorney Docket Number	1795

Sheet 2 of 12

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
ED	-	US- 5,832,182	11/03/1998	Zhang et al.	—
ED	-	US- 5,843,767	12/01/1998	Beattie	—
ED	-	US- 5,859,703	01/12/1999	Aldridge et al.	—
ED	-	US- 5,901,069	05/04/1999	Agrafiotis et al.	—
ED	-	US- 5,928,952	07/27/1999	Hutchins et al.	—
ED	-	US- 5,956,137	09/21/1999	Lim et al.	—
ED	-	US- 5,965,137	10/12/1999	Petrus	—
ED	-	US- 5,985,214	11/16/1999	Stylli et al.	—
ED	-	US- 5,999,255	12/07/1999	Dupee et al.	—
ED	-	US- 6,003,029	12/14/1999	Agrawal et al.	—
ED	-	US- 6,100,901	08/08/2000	Mohda et al.	—
ED	-	US- 6,140,643	10/31/2000	Brown et al.	—
ED	-	US- 6,175,816	01/16/2001	Flavin et al.	—
ED	-	US- 6,267,935	07/31/2001	Hol et al.	—
ED	-	US- 6,296,673	10/02/2001	Santarsiero et al.	—
ED	-	US- 6,327,334	12/04/2001	Murray, Jr. et al.	—
ED	-	US- 6,333,501	12/25/2001	Labrenz	—
ED	-	US- 6,421,553	07/16/2002	Costa et al.	—
ED	-	US- 6,434,490	08/13/2002	Agrafiotis et al.	—

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	† ⁴
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
ED		WO 98/40159	09/17/1998	Lebl et al.	—	—
ED		WO 98/47613	10/29/1998	Wu et al.	—	—
ED		WO 98/52614	11/26/1998	Rothbard et al.	—	—
ED		WO 99/04247	01/28/1999	Neilsen	—	—
ED		WO 99/06814	02/11/1999	Loewy et al.	—	—
ED		WO 99/08112	02/18/1999	Alakov et al.	—	—

Examiner Signature	<i>Elias Dester</i>	Date Considered	03/24/2005
-----------------------	---------------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

Approved for use through 07/31/2006. OMB 0631-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
This document contains neither recommendations nor conclusions of the U.S. Patent and Trademark Office. It is the property of the U.S. Patent and Trademark Office, and its contents are not to be distributed outside your agency.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/018,034
--------------------	------------

10/018,034

Filing Date	07/23/2002
-------------	------------

07/23/2002

First Named Inventor	R. Kobylecki
----------------------	--------------

R. Kobylecki

Art Unit	2857
----------	------

2857

Examiner Name	D. Elias
---------------	----------

D. Elias	
----------	--

Attorney Docket Number	1795
------------------------	------

1795

Sheet 3 of 12

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						T ^d
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
EP	-	WO 99/45379	09/10/1999	Nienaber et al.	-	-
EP	-	WO 99/45389	09/10/1999	Nienaber et al.	-	-
EP	-	WO 98/18549	05/07/1998	Okamoto	-	-
EP	-	WO 00/67872	11/16/2000	Glaxo Group	-	-

**Examiner
Signature**

Elias Nestor

Date
Considered

03/24/2005

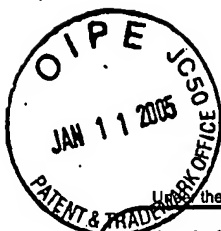
Examiner Signature	<i>Elias Nestor</i>	Continuation	<input type="checkbox"/>
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.</p>			

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

When completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/018,034
Filing Date	07/23/2002
First Named Inventor	R. Kobylecki
Art Unit	2857
Examiner Name	Elias Desta
Attorney Docket Number	1795

Sheet	4	of	12
-------	---	----	----

NON PATENT LITERATURE DOCUMENTS

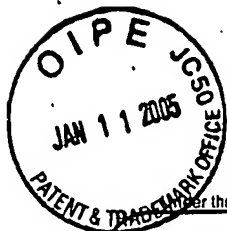
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
ED	—	PETTY, C.J. et al., "Applications of FT-Raman Spectroscopy in the Pharmaceutical Industry."	—
ED	—	MARTIN, P.A. et al., "Automation of Microtiter Plate-Chromogenic Substrate LAL Endotoxin Assay Method by Use of a Modified Cetus Pro/Pette Express System",	—
ED	—	Journal of Parenteral Science & Technology, Vol. 40, No. 2, March-April 1986, pp. 61-66.	—
ED	—	LENCZEWSKI, M. et al. "Automated Screening Method for Determining Optimum Preservative Systems for Personal and Home Care Products",	—
ED	—	Journal of AOAC International, Vol. 81, No. 3, 1998, pp. 534-539.	—
ED	—	LENNERNAS, H., "Human Intestinal Permeability", Journal of Pharmaceutical Sciences, Vol. 87, No. 4, 1998, pp. 403- 410	—
ED	—	GEORGE, R. et al. "Automated dissolution testing of sustained release tablets", American Laboratory, Circular Reader Service, Card No. 17, February 1988, pp. 106-112	—
ED	—	YARMAMURA, R. et al. " Receptor Binding as a Primary Drug Screen", Neurotransmitter Receptor Binding, 2d ed. Raven Press, 1985, pp. 189-233	—
ED	—	"Department of Health and Human Services", Federal Register, Vol. 62, No. 85, 1997, pp. 24302-24309	—
ED	—	ECKSTEIN, R. J. et al. "Unattended, Robotic Drug-Release Testing of Enterically Coated Aspirin", Analytical Chemistry, Vol. 58, No. 11, September 1986, pp. 2316-2320	—

Examiner Signature	<i>Elias Desta</i>	Date Considered	03/24/2005
--------------------	--------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/018,034
Filing Date	07/23/2002
First Named Inventor	R. Kobylecki
Art Unit	2857
Examiner Name	D. Elias
Attorney Docket Number	1795

Sheet	5	of	12
-------	---	----	----

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
ED	-	SONG, C.X. et al. "Controlled release of U-86983 from double-layer biodegradable matrices: effect of additives on release mechanism and kinetics",	-
ED	-	Journal of Controlled Release, Vol. 45, (1997), pp. 177-192	-
ED	-	GOLD, G. et al., "Effects of Selected U.S.P. Talcs on Acetylsalicylic Acid Stability in Tablets", Journal of Pharmaceutical Sciences, Vol. 53, No. 1, January 1964, pp. 52-54	-
ED	-	WARD, K. et al., "Automatic Preparation of Protein Crystals Using Laboratory Robotics and Automated Visual Inspection", Journal of Crystal Growth, Vol. 90 (1988), pp 325-339	-
ED	-	OTSUKA, M. et al., "Physicochemical Characterization of Glybuzole Polymorphs and Their Pharmaceutical Properties", Research Paper, Marcel Dekker, Inc. 1999, pp. 197-203	-
ED	-	LITTLECHILD, J.A., "Protein Crystallization: Magical or Logical: Can We Establish Some General Rules?",	-
ED	-	Journal of Physics D: Applied Physics, Vol. 24, No. 2, February 1991, pp. 111-118	-
ED	-	CHAYEN, Naomie E. et al., "Microbatch Crystallization Under Oil - A New Technique Allowing Many Small-Volume Crystallization Trials",	-
ED	-	Journal of Crystal Growth, Vol. 122, Nos. 1-4, August 1992 pp. 176-180	-
ED	-	CRAW, S. et al., "Cased-Based Design for Tablet Formulation", pp. 358-369.	-

Examiner Signature	<i>Elias Desta</i>	Date Considered	03/24/2005
--------------------	--------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/018,034
		Filing Date	07/23/2002
		First Named Inventor	R. Kobylecki
		Art Unit	2857
		Examiner Name	D. Elias
Sheet 6 of 12	Attorney Docket Number	1795	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
ED	—	YAKOVLEV, Y. et al., "A Laboratory Apparatus for Crystal Growth from Solution", Instruments and Experimental Techniques, Vol. 41, No. 2, 1998, pp. 292-296	—
ED	—	FINDLAY, W. et al., "Utilization of Fourier transform-Raman spectroscopy for the study of pharmaceutical crystal forms"	—
ED	—	Journal of Pharmaceutical and Biomedical Analysis, Vol. 16 (1998) pp. 921-930	—
ED	—	FERWERDA, R., et al. "The Use of FT-Raman Spectroscopy and Chemometric Procedures in the Analysis of Pharmaceuticals, Nicolet FT-Raman, (1997)	—
ED	—	TISONE, T, "Dispensing Systems for Miniaturized Diagnostics", IVD Technology Magazine, May 1998	—
ED	—	SORIANO, T. et al., "ASTEC: an Automated System for Sitting-Drop Protein Crystallization", Journal of Applied Crystallography, Vol, 26, 1993, pp. 558-562	—
ED	—	STEWART, P. et al., "Practical Experimental Design Techniques for Automatic and Manual Protein Crystallization", Journal of Crystal Growth, Vol. 196, 1999, pp. 665-673	—
ED	—	RUBIN, B. et al., "Minimal Intervention Robotic Protein Crystallization", Journal of Crystal Growth, Vol. 110, 1991, pp. 156-163	—
ED	—	PETTY, C. et al., "The use of FT-Raman Spectroscopy in the Study of Formulated Pharmaceuticals", Nicolet Instruments of Discovery, Nicolet Instrument Corporation (1991)	—
ED	—	CARRIE et al., "An Automated Sampling Device for Dissolution Testing" J. of Pharmaceutical Sciences, Vol. 72, No. 8, August 1983, pp. 976-988.	—

Examiner Signature	<i>Elias Nestor</i>	Date Considered	03/24/2005
--------------------	---------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/018,034
Filing Date	07/23/2002
First Named Inventor	R. Kobylecki
Art Unit	2857
Examiner Name	D. Elias
Attorney Docket Number	1795

Sheet	7	of	12
-------	---	----	----

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
ED	-	OLDFIELD, T.J. et al., "A Flexible Approach to Automated Protein Crystallization", Journal of Applied Crystallization, Vol. 24, 1991, pp. 255-260	-
ED	-	MORRIS, D.W. et al., "Automation of Protein Crystallization Trials: Use of a Robot to Deliver Reagents to a Novel Multi-Chamber Vapor Diffusion Plate",	-
ED	-	Product Application Focus, BioTechniques, Vol. 7, No. 5, (1989), pp. 522-527	-
ED	-	NEWMAN, A., "Send in the Robots", Analytical Chemistry, Vol. 62, No. 1, January 1, 1990, pp. 29A - 34A.	-
ED	-	McPHERSON, A., "Two Approaches to the Rapid Screening of Crystallization Conditions", Journal of Crystal Growth, Vol. 122, (1992) pp. 161-167	-
ED	-	LINDSEY, J.S. et al., "Robotic work station for microscale synthic chemistry: On-line absorption spectroscopy, quantitative automated thin-layer chromatography,	-
ED	-	and multiple reactions in parallel", Rev. Sci. Instrum., Vol. 59, No. 6, June 1988, pp. 940-950	-
ED	-	KELDERS, H. et al., "Automated protein crystallization and a new crystal form of a subtilisin:eglin complex", Protein Engineering, Vol. 1, No. 4, 1987, pp. 301-303	-
ED	-	JANCARIK, J. et al., "Sparse matrix sampling: a screening method for crystallization fo proteins", Journal of Applied Crystallization, Vol. 24, 1991, pp. 409-411.	-
ED	-	BOWTELL, David D.L., "Options available-from start to finish-for Obtaining Expression Data by Microarray", Peter MacCallum Cancer Institute, pp. 25-32	-

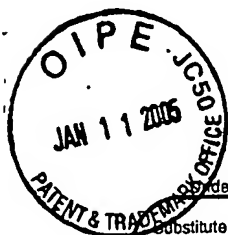
Examiner Signature	<i>Elias Dosta</i>	Date Considered	03/24/2005
--------------------	--------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/018,034
Filing Date	07/23/2002
First Named Inventor	R. Kobylecki
Art Unit	2857
Examiner Name	D. Elias
Attorney Docket Number	1795

Sheet	8	of	12
-------	---	----	----

NON PATENT LITERATURE DOCUMENTS

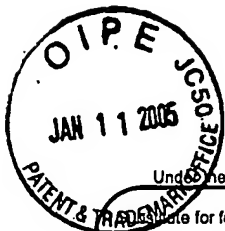
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
ED	—	GONZALEZ, F. et al., "Crocodile: An Automated Apparatus for Organic Crystal Growth from Solution", Acta Astronautica, Vol. 25, No. 12, 1991, pp. 775-784	—
ED	—	GILLILAND, G. et al., "Biological Macromolecule Crystallization Database, Version 3.0: New Features, Data and the NASA Archive for Protein Crystal Growth Data",	—
ED	—	Acta Crystallization Section D, 1994, pp. 408-413	—
ED	—	ZHU, H. et al., "Influence of water activity in organic solvent water mixtures on the nature of the crystallizing drug phase 1. Theophylline",	—
ED	—	International Journal of Pharmaceutics, Vol. 135, January 1996, pp. 151-160	—
ED	—	CUDNEY, B. et al., "Screening and Optimization Strategies for Macromolecular Crystal Growth",	—
ED	—	Acta Crystallographica Section D, Vol. D50, 1994, pp. 414-423	—
ED	—	COX, M.J. et al., "Experiments with Automated Protein Crystallization", Journal of Applied Crystallography, Vol. 20, 1987, pp. 366-373	—
ED	—	CHAYEN, N. et al., "New Developments of the IMPAX Small-Volume Automated Crystallization System", Acta Crystallographica Section D, Vol. D50, 1994, pp. 456-458	—
ED	—	CHAYEN, N. et al., "An Automated System for Micro-Batch Protein Crystallization and Screening", Journal of Applied Crystallography, Vol. 23, 1990, pp. 297-302	—

Examiner Signature	<i>Elias Deste</i>	Date Considered	03/24/2005
--------------------	--------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

USPTO Form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/018,034
Filing Date	07/23/2002
First Named Inventor	R. Kobylecki
Art Unit	2857
Examiner Name	D. Elias
Attorney Docket Number	1795

Sheet	9	of	12
-------	---	----	----

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
ED	—	CASAY, G.A. et al., "Laser Scattering in a Hanging Drop Vapor Diffusion Apparatus for Protein Crystal Growth in a Microgravity Environment",	—
ED	—	Journal of Crystal Growth, Vol. 122, 1992, pp. 95-101	—
ED	—	BULLOCK, E. et al., "Apparatus for the growth of crystals from small volumes of solution", Journal of Physics E, Scientific Instruments, Vol. 5, 1972, pp. 412-413	—
ED	—	BRODERSEN, D.E. et al., "XAct: a program for construction, automated setup and bookkeeping of crystallization experiments",	—
ED	—	Journal of Applied Crystallography, Vol. 32, 1999, pp. 1012-1016	—
ED	—	BECKMANN, W. et al., "The Effect of Additives on Nucleation: A Low Cost Automated Apparatus", Journal of Crystal Growth, Vol. 99, 1990, pp. 1061-1064	—
ED	—	LONGMIRE, M.L. et al., "Polymorph Analysis by Dispersive Raman Spectroscopy", Nicolet Instruments of Discovery	—
ED	—	ANDERSEN G.R. et al., "A Spreadsheet Approach to Automated Protein Crystallization", Journal of Applied Crystallography, Vol. 29, 1996, pp. 236-240	—
ED	—	ALDRIDGE, P.K. et al., "A Robotic Dissolution System with On-Line Fiber-Optic UV Analysis", J. of Pharmaceutical Sciences, Vol. 84, No. 8, August 1995	—
ED	—	BOWTELL, D., "Options Available from Start to Finish for Obtaining Expression Data by Microarray", Nature Genetics Supplement, Vol. 21, January 1999, pp. 25-32	—

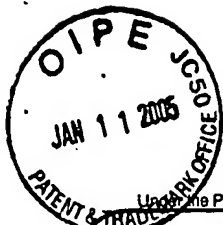
Examiner Signature	<i>Elias Desti</i>	Date Considered	03/24/2005
--------------------	--------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/018,034
Filing Date	07/23/2002
First Named Inventor	R. Kobylecki
Art Unit	2857
Examiner Name	D. Elias
Attorney Docket Number	1795

Sheet	10	of	12
-------	----	----	----

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
ED	-	MORRIS, K. et al., "An Integrated Approach to the Selection of Optimal Salt Form for a New Drug Candidate", International Journal of Pharmaceutics, Vol. 105, 1994, pp. 209-217	-
ED	-	LAMPARTER, E. et al., "The Automation of Dissolution Testing of Solid Oral Dosage Forms", J. of Pharmaceutical & Biomedical Analysis, Vol. 10, Nos. 10-12, 1992, pp. 727-73	-
ED	-	DE CASTRO, M.D. et al., "Automation fo pharmaceutical dissolution testing by flow injection analysis",	-
ED	-	Journal of Pharmaceutical & Biomedical Analysis, Vol. 8, No. 4, 1998, pp. 329-336	-
ED	-	LO, Su-Chin, et al., "Automated Drug Dissolution Monitor That Uses a UV-Visible Diode Array Spectrophotometer",	-
ED	-	Journal of Pharmaceutical Sciences, Vol. 82, No. 4, April 1993, pp. 350-354.	-
ED	-	PAPAS, A.N. et al., "Evaluation of Robot Automated Drug Dissolution Measurements", American Chemical Society 1995, pp. 14081411	-
ED	-	SHAH, K.P. et al., "Automated analytical systems for drug development studies 3. Multivessel dissolution testing system based on microdialysis sampling",	-
ED	-	Journal of Pharmaceutical and Biomedical Analysis, Vol. 13, 1995, pp. 1235-1241	-
ED	-	MANN, M., "Quantitative proteomics?" Nature Biotechnology, Vol. 17, October 1999, pp. 954-955	-

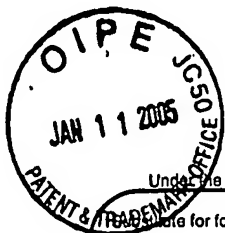
Examiner Signature	<i>Elias Destin</i>	Date Considered	03/24/2005
--------------------	---------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

USPTO Form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/018,034
Filing Date	07/23/2002
First Named Inventor	R. Kobylecki
Art Unit	2857
Examiner Name	D. Elias
Attorney Docket Number	1795

Sheet	11	of	12
-------	----	----	----

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
ED	-	SHAH, K.P. et al., "Automated analytical systems for drug development studies II- A system for dissolution testing",	-
ED	-	Journal of Pharmaceutical & Biomedical Analysis, Vol. 12, No. 12, 1994, pp. 1319-1527	-
ED	-	FODOR, S. et al., "Light-Directed Spatially Addressable Parallel Chemical Synthesis", Research Article,	-
ED	-	American Association for the Advancement of Science, Vol. 251, No. 4995, February 1991, pp. 767-773	-
ED	-	FODOR, S., "Massively Parallel Genomics", American Association for the Advancement of Science, Vol. 277, No. 5324, July 1997, pp. 393-395	-
ED	-	MARSHALL, A. et al., "DNA chips: An array of possibilities", Nature Biotechnology, Vol. 18, January 1998, pp. 27-31	-
ED	-	RAMSAY, G., "DNA chips: State-of-the art", Nature Biotechnology, Vol. 16, January 1997, pp. 40-44	-
ED	-	PERSIDIS, A., "An ambitious drug development platform attempts to link gene sequence to expressed phenotype under various physiological states",	-
ED	-	Nature Biotechnology, Vol. 16, April 1998, pp. 393-394	-
ED	-	CHEUNG, V.G. et al., "Making and reading microarrays", Nature Genetics Supplement, Vol. 21, January 1999, pp. 15-19	-

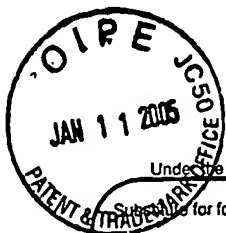
Examiner Signature	<i>Elias Dosta</i>	Date Considered	03/24/2005
--------------------	--------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/018,034
				Filing Date	07/23/2002
				First Named Inventor	R. Kobylecki
				Art Unit	2857
				Examiner Name	D. Elias
Sheet	12	of	12	Attorney Docket Number	1795

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
ED	—	FRANK, R., "Simultaneous and Combinatorial Chemical Synthesis Techniques for the Generation and Screening of Molecular Diversity",	—
ED	—	Journal of Biotechnology, Vol. 41, 1995, pp. 259-272	—
ED	—	COX, M.J. et al., "An Investigation of Protein Crystallization Parameters Using Successive Automated Grid Searches (SAGS)",	—
ED	—	Journal of Crystal Growth, Vol. 90, Nos. 1-3, (1988), pp. 318-324.	—
ED	—	ZEELLEN, J. et al., "Crystallization Experiments with 2-Enoyl-CoA Hydratase, Using an Automated Fast-Screening Crystallization Protocol",	—
ED	—	Acta Crystallographica, Section D, 1994, pp. 443-447.	—
ED	—	BRIGGS, J. et al., "The Temperature-Composition Phase Diagram and Mesophase Structure Characterization of the Monoolein/Water System",	—
ED	—	J. Phys. II France, Vol. 6, May 1996, pp. 723-751	—
ED	—	_____	—
ED	—	_____	—

Examiner Signature	<i>Elias Deste</i>	Date Considered	03/24/2005
--------------------	--------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.